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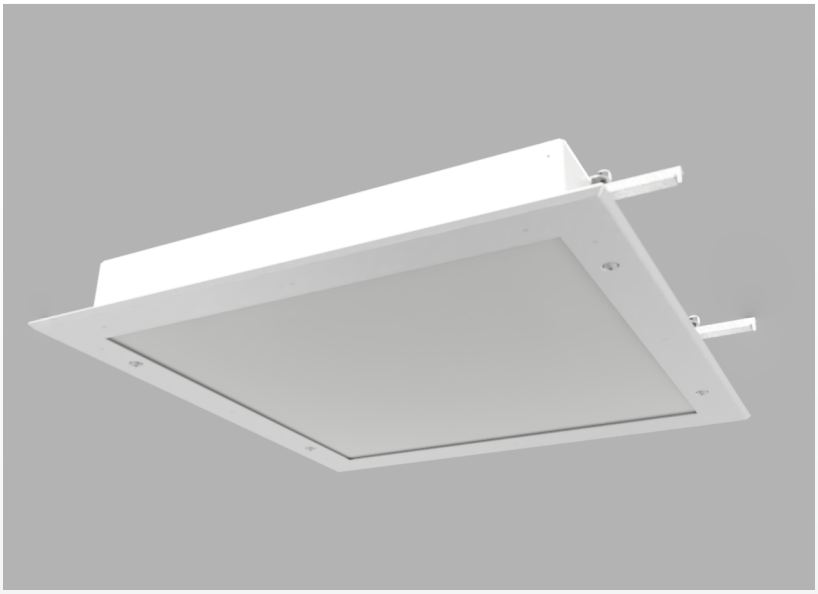
CLEANROOM LED TROFFER



FEATURES

- Designed for ISO 3-9, BSL 3-4, and 209E Class 1-100,000 environments
- One piece overlapping doorframe with no surface welds to eliminate rust potential
- Recessed housing for multiple T-Bar grid, modular panel, and gypsum ceilings
- IP66 per IEC605598 and NSF2
- Made in the USA / BAA Compliant

LISTINGS, RATINGS, CERTIFICATIONS AND PROTOCOLS:

NSF · UL · ISO 3-8 · IP66 · BSL 3 & 4 · 209 E 1 · BAA COMPLIANT

SPECIFICATIONS

Housing: 18-gauge coated aluminum profile serves as heat sink to conduct/dissipate heat away from LED junction point to the housing exterior. Housing available with optional support for walkable ceiling applications.

Lens Frame: One-piece, deep-drawn fabricated Type 304 or Type 316 stainless steel lens frame free of surface welding. Aluminum or CRS available as options. Beveled edge produces a progressive surface with the ceiling.

Lens Frame Gasket: One-piece closed cell extruded Nitrile gasket.

Optics: Backlit LED optic provides uniform facial illuminance and eliminates glare. 3000–6000K CCT and a variety of filtering options available.

Electrical: 100-277 VAC integral high efficiency driver and power supply (>0.90 power factor). Dimmable (0-10V). Optional 1100 Lumens 90-minute battery back-up (regular and Class I, Division 2/ Class II, Division 2). Lutron driver optional. Integral driver box serves for electrical connection.

Installation: Designed for universal installation – 1", 1.5", and 2.0" T-Bar grid, modular ceiling panel (2"-3") and stick-built gypsum ceilings. Wiring and installation does not require removal of lens frame.

ORDERING INFORMATION

SERIES	SIZE	LIGHT ENGINE	COLOR TEMP.	DRIVER	LENS	BACKUP	CERTS
CLER = Recessed **CLES** = Surface Mount	**1x4** = 1'x4' **2x2** = 2'x2' **2x4** = 2'x4'	**S1** = 38W/5,000 lumens **M1** = 63W/8,000 lumens **H1** = 86W/10,400 lumens **C** = Custom upon request	**W** = 3,500K **N** = 4,000K **C** = 5,000K **A** = Amber UV Filtering **Y** = Yellow 101 **R** = Red	**UV** = Universal **D** = DALI **L** = Lutron **C** = Custom	**CTG** = .125" Clear Tempered Glass **CIA** = .125" Clear Impact Acyrlic	**NB** = No Backup **IBB** = Integral Battery Back-up **HBB** = Class I, Div 2 Battery Backup	**MS**= MIL STD 461F **C1D2** = Class I, Div 2 **C2D2** = Class II, Div 2

PROJECT INFORMATION

Project Name/Location _____

Fixture Type _____

Fixture Quantity _____

Catalog Number _____

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PERFORMANCE DATA

MODEL SIZE	CCT	DELIVERED LUMENS	LM/W	INPUT WATTAGE
1X4	30K	4811	126	38
	35K	4862	127	38
	40K	5067	132	38
	50K	5118	134	38
	30K	7545	120	63
	35K	7625	121	63
	40K	7946	126	63
	50K	8026	128	63
	30K	9877	115	86
	35K	9,982	117	86
	40K	10,403	122	86
	50K	10,508	123	86

MODEL SIZE	CCT	DELIVERED LUMENS	LM/W	INPUT WATTAGE
2X2	30K	4838	126	38
	35K	4889	128	38
	40K	5095	133	38
	50K	5146	134	38
	30K	7586	121	63
	35K	7667	122	63
	40K	7990	127	63
	50K	8071	128	63
	30K	9931	116	86
	35K	10,037	117	86
	40K	10,460	122	86
	50K	10,565	123	86

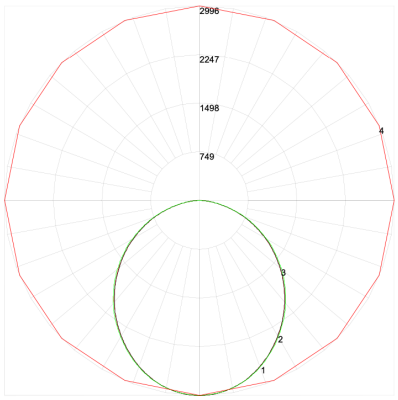
MODEL SIZE	CCT	DELIVERED LUMENS	LM/W	INPUT WATTAGE
2X4	30K	6520	130	50
	35K	6590	131	50
	40K	6867	136	50
	50K	6937	138	50
	30K	9050	127	71
	35K	9146	128	71
	40K	9532	134	71
	50K	9628	135	71
	30K	11,534	124	93
	35K	11,656	126	93
	40K	12,147	131	93
	50K	12,270	132	93
	30K	13,366	122	109
	35K	13,508	124	109
	40K	14,077	129	109
	50K	14,219	130	109

PHOTOMETRICS

IES INDOOR REPORT

1x4

POLAR GRAPH

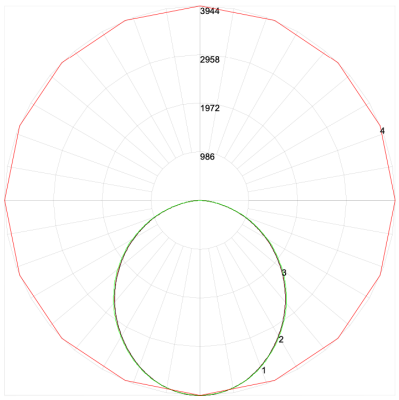


Maximum Candela = 2996.333 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)

IES INDOOR REPORT

2x2

POLAR GRAPH

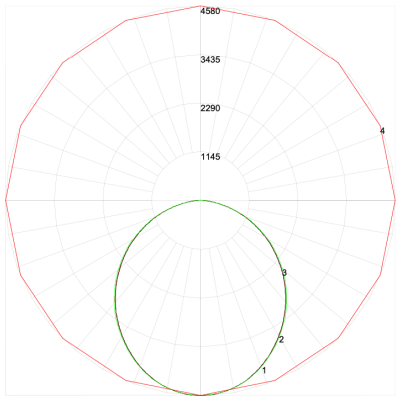


Maximum Candela = 3944.33 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)

IES INDOOR REPORT

2x4

POLAR GRAPH



Maximum Candela = 4580.071 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)

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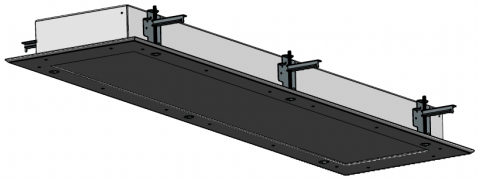
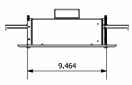
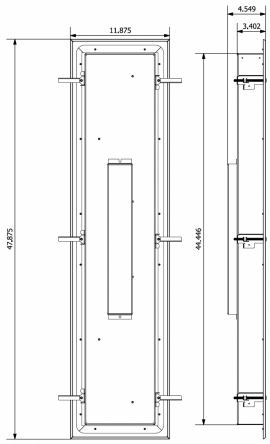
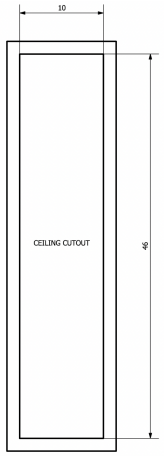
1X4

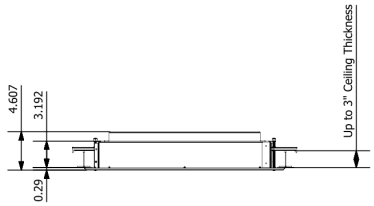


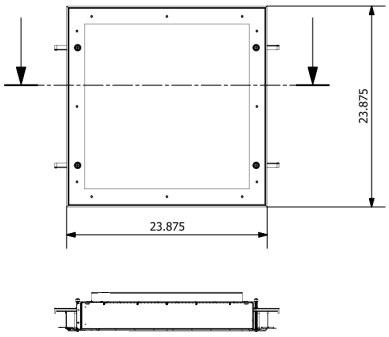


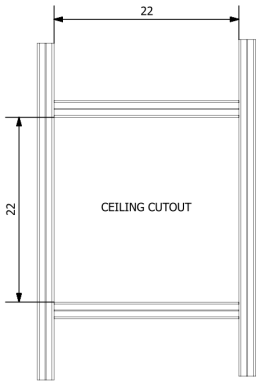




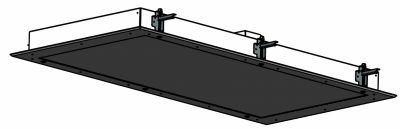
2X2

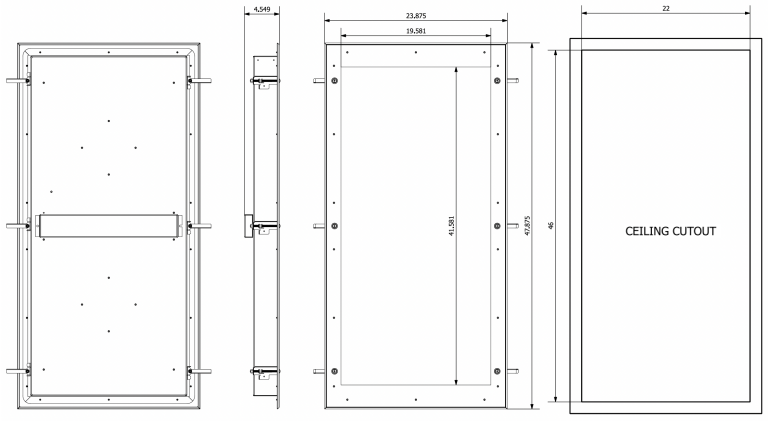






2X4





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